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11 August 1959  
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MEMORANDUM FOR: Chairman of GMAIC

SUBJECT: Report of the Production Team

1. Problem: To make a preliminary assessment of Mission 4125 material as it relates to Soviet production of guided missiles or major sub-assemblies.

2. Conclusions: The Production Team concludes that

- a) Missile or missile related production can be neither confirmed nor denied
- b) Mission 4125 material does not change the estimate on Soviet production of guided missiles
- c) there appears to be no installation which currently warrants review by outside consultants
- d) because of the interest in the Saldas area it may be necessary to request PIC fact reports on the two unidentified installations under construction
- e) GMAIC participation in any further review of the industrial-type materials appears unnecessary provided GMAIC will be notified by PIC or other community components of new interpretations in this regard as they arise.

3. Discussion: On the basis of a review of Mission 4125 material, the Production Team concludes that production of guided missiles or major missile sub-assemblies in the Urals area can neither be confirmed nor denied. No missile-associated equipment, components or "missile-like objects" have been identified in the material we have examined. However, several installations whose production we cannot identify possess many of those physical attributes that we have been led to expect at Soviet missile fabrication facilities. These installations appear obviously capable of producing large missiles or sub-assemblies and we therefore consider it quite possible they are doing so.

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4. The Production Team reviewed Mission 4125 material during the period 29 July - 10 August, 1959. This review consisted of a three-step search for indications of missile or missile-related production as follows:

- a) the detailed examination of 23 previously suspect targets
- b) as intensive a search as was possible in the time available of industrial facilities within 25 miles radius of Verkhnyaya Salda, Sverdlovsk and Chelyabinsk airfields to which Soviet missile-associated air-flights have been recorded
- c) a study of several other facilities throughout the mission coverage which appeared to warrant our attention as the review progressed.

5. The results of step (a) are attached as Tab A, a listing of the specific suspect targets and the results of their review. We deem it necessary to comment further only on six of these facilities.

- a) Sverdlovsk Uralmach Zavod.

Significant construction has taken place in the southwest sector of this installation since 1957. There is a very large rail drive-in building in this area, one part of which is 120 feet high. This building appears on 1957 photography.

- b) Chelyabinsk Tank and Tractor Plant.

No production of tractors, tanks or cars is discernible at this unusually-large heavy machine-building plant.

- c) Sverdlovsk Arms Plant #8

This facility was identified in 1958 [REDACTED] as a series producer of IRBMs. Nothing in the photography can be interpreted to support this report and no determination of current production is possible.

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- d) Nizhny Tagil Rail Road Car Plant

In the southwest sector of this facility, in an area somewhat distinct from the rest of the installation, are 19 long, pullman-type rail cars 75-80 feet long (standard Soviet length), 19 medium-length rail cars 50 feet long, and 6 short rail cars 30 feet long. Within the installation proper are 176 open gondola cars, 40 feet long, and 1 long car 75-80 feet long. The configuration of the cars in the southwest sector does not appear unique; however, there may be some significance to the fact that similar cars are not observed in the plant production area.

- e) Unidentified Plant in the Nizhnyaya Salda area

Because of the intense interest in this area, based on a clandestine report, the entire coverage from

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Nizhny Tagil to Nizhnyaya Salda was laid out as a loose mosaic for detailed study. The unidentified installation 9 miles northeast of Nizhnyaya Salda is judged to be under construction for some phase of ore processing. The plant will use 30-60 megawatts of electric power and has a conveyor system already installed. Ore mining, lumbering, and peat cutting make up the rest of the activity in this area. Cloud cover precluded study of the area north of Kyshtym, subject of the same clandestine report.

f) Industrial Activity in Verkhnyaya Salda

Missile-associated airflights to the Verkhnyaya Salda airfield since 1958 make suspect the Aircraft Components Plant just northwest of this airfield as well as extensive industrial construction going on just north of this facility. Both of these installations were examined in detail with negative missile-related results. The new construction is judged to be related to ore processing.

6. Steps (b) and (c) failed to uncover any production facility which could be identified as missile-related. This search was made for indications of missile fabrication or final assembly, as well as for rocket engine production and rocket engine test facilities.

7. The Production Team considers it necessary to forestall any conclusion within the Intelligence Community that the coverage of Mission 4125 denies the existence of Soviet missile-related production activity in the Urals area. Two considerations have bearing on this statement. In the first place, while review of this material did not indicate missile production, in many cases neither did it identify any type of production other than "machine building" of some sort. In this regard the team was handicapped by the lack of reliable photographic indicators of Soviet missile production facilities. Secondly, cloud cover precluded any review of at least one suspect target area (Kyshtym) and a complete review of the areas around the suspect Sverdlovsk and Chelyabinsk airfields.

8. Recommendations: The Production Team recommends that

- a) further search and evaluation of Mission 4125 industrial coverage be conducted individually by interested GMAIC member agencies who will be responsible for keeping GMAIC informed of new developments as they may arise.
- b) control of those requirements on PIC which relate to missile-associated industrial activity revert to the system in operation prior to Mission 4125.

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9. Attached as Tab B are the direct questions and answers exchanged between the photo interpreters and GMAIC representatives during the course of this review.

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Enclosures:

1. Tab A - Listing of specific Plants targeted for detailed review.
2. Tab B - Questions and Answers.

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TAB A - Specific Plants Targeted for Detailed Review

<u>ITEM</u>	<u>INDICATIONS OF MISSILE PRODUCTION</u>	<u>REMARKS</u>
<b>SVERDLOVSK</b>		
Plant #8	None	None
" #6	None	None
" #76	Not identified	
" #356	None	None
Electro Apparat	None	End Products not apparent. Evi- dently are in rail served warehouses.
Turbo Motor Zavod	None	None
Uralsnab	Tall complex bldg. (130 ft.), Rail served, w/several longi- tudinal monitors-scrap etc. outside.	
<b>VERKHNAYA SAIDA</b>		
Plant #95	None	
U/I Plant U/C		
<b>NIZHNYAYA SAIDA</b>		
U/I Plant		
<b>NIZHNIY TAGIL</b>		
Machinery Plant, Vyshegorskiy	None	No indications of tank manufacturing- except driving range
RR Car Zavod	None	Pullman type RR cars 75-80' (15) in shop area.
Arms Plant	None	
<b>CHELYABINSK</b>		
Electric Equip Plt #48	None	
Tank & Tractor Plt	None	
Munitions Plt #78	None	
Pipe rolling Plt	None	
Auto Parts Plt	None	
Crane Factory	None	
<b>ZLATOUST</b>		
Metallurgical Plt Lenin	None	Cloud cover
Metallurgical Plt Stalin	None	Cloud cover
<b>KYSHTYM</b>		
Graphite Plant	None	Cloud cover
<b>UST KATOV</b>		
Yuryuzan Plant	None	Extreme oblique

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**TAB B - Questions and Answers****Q. 1. Check following specific areas for possible missile production:**

Sverdlovsk: Plant #8  
 " #6  
 " #76  
 " #356  
 Turbo Motoring Zavod  
 Electro Apparat  
 Uralmash  
 Verkhnyaya Salda:  
 Plant #95  
 Zlatoust:  
 Metallurgical Plant imeni Lenin  
 " " " Stalin  
 Ust Katov:  
 Yuryuzan Plant  
 Nizhnyaya Salda:  
 U/I Plant  
 Nizhniy Tagil:  
 RR Car Zavod; Ammo Plant  
 Chelyabinsk:  
 Elec. Equip. Plant #48 - Auto Parts Plant  
 Tank & Tractor Plant  
 Munition Plant #78 - Crane Factory  
 Pipe rolling Plant  
 Kyshtym:  
 Graphite Plant  
 U/I Plant in Kivalykhikha area (8 mi N of town)  
 Magnitogorsk:  
 Iron & Steel Combine

- A. 1. Major industrial complexes of Sverdlovsk, Nizhniy Tagil, Chelyabinsk, Verkhnyaya Salda - Negative.  
 2. All ammo plants - Negative.  
 3. Sites N. of Kasli and Nizhnyaya Tura under progress. Artists concept requested. Stereo available.  
 4. Contact prints of Salda area ordered for loose mosaic.  
 5. Enlargements of various complexes on hand.

**Q. 2. Check areas:**

- a. Zlatoust  
 b. 8 Km N. of Kyshtym

- A. a. Negative  
 b. Cloud covered

**Q. 3. Specify location of Ammo Plants and Storage Areas.**

- A. Krasnouralsk, Nizhniy Tagil, Chelyabinsk and Verkhniy Ufaley (Kasli).

**Q. 4. Request dimensions of RR cars in plant at Nizhniy Tagil.**

- A. Probable pullman type cars 75-80' long and 10.5-11' wide. There are approx. 15 in view at the western portion of the facility. Other cars considerably smaller, none appear unique.

**Q. 5. Request height of complex building in Uralmash Plant.**

- A. Approx 120' - served by 2 rail spurs. The building is tall enough to accommodate hydrostatic test equipment. However, there is no indication as to whether this is the case or not.

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- Q. 6. Scan the area of Magnitogorsk for indications of missile production.
- A. No indications of missile production have been noted. The entire area including the smaller plants was searched.
- Q. 7. Are there any indications in the Nizhnyaya Salda area of missile production? What activities are noted?
- A. 1. No indications.  
2. North: Peat mining, logging, sawmill, possible copper mine, all rail served.  
South: Rail served mining. View graphs will be provided of entire area. The suspect facility under construction 9 miles NE of Nizhnyaya Salda will probably be for ore processing.
- Q. 8. Provide loose mosaic of Sverdlovsk and area south for 25-30 miles. Search for missile indications.
- A. Mosaic provided, entire area scanned; no indications of missile or rocket engine facilities.

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